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**PHOTO  
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NOTE**

**PETROLEUM INDUSTRY DEVELOPMENTS  
NORTHEAST CHINA**

25X1A



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NIMA/DOD

**TOP SECRET**

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PHOTOGRAPHIC INTERPRETATION NOTE

# PETROLEUM INDUSTRY DEVELOPMENTS NORTHEAST CHINA

FEBRUARY 1971

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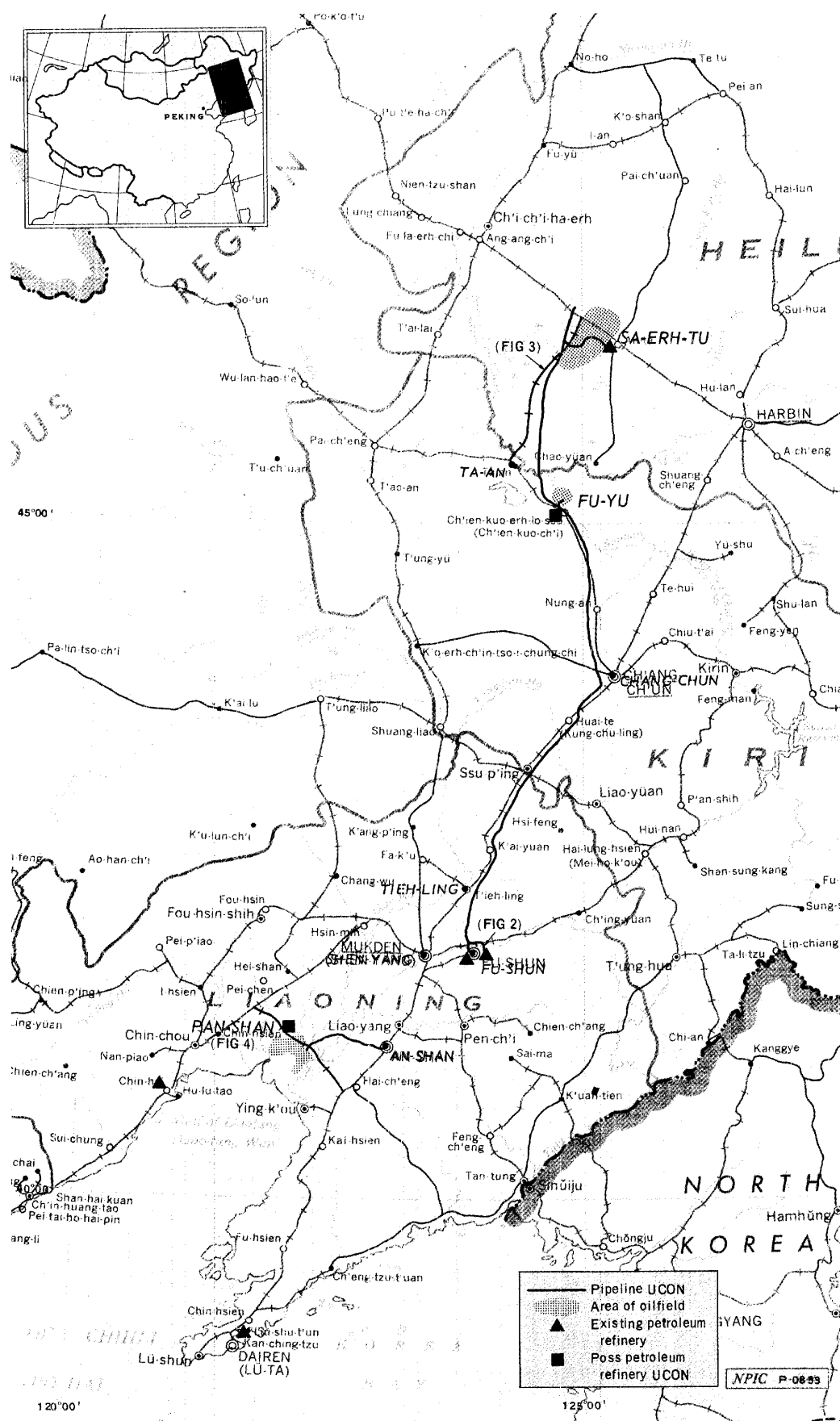


FIGURE 1. GENERAL LOCATION MAP

## PETROLEUM INDUSTRY DEVELOPMENTS, NORTHEAST CHINA

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1. A newly identified oil pipeline, approximately 315 nautical miles (nm) long, was observed under construction in northeast China on small-scale photography of [REDACTED]. The northern end of the pipeline is at the Sa-erh-tu Petroleum Refinery and Oilfield [REDACTED] at 46-31-30N 125-06-00E (Figure 1). The line extends south, crosses the Nen-chiang River approximately 10 nm southeast of Ta-an, and then turns generally south-southeast along the west bank of the Sungari River to the western edge of Chang-chun.

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2. At Chang-chun, the pipeline turns south-southwestward along the Chang-chun to Shen-yang rail line as far as Tieh-ling where it traverses hilly terrain directly southward to the vicinity of Fu-shun. Here, it divides into two lines. One line connects to the Fu-chun Shale Oil Plant East [REDACTED] the other connects to Fu-shun Shale Oil Plant West [REDACTED]

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## POL Storage Facilities Under Construction Along The Pipeline

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3. Rail-served POL storage facilities were being expanded near both refineries at Fu-chun (Figure 2). At the northern end of the pipeline, five large rail- and pipeline-served tank storage sites were under construction on the west side of Sa-erh-tu Oilfield (Figure 3). These sites, which augment existing large tank farms at the oilfield, will contain a total of 65 large vertical, earth-mounded tanks. Nine of these tanks were complete when observed in [REDACTED]

## Fu-yu Oilfield and New Possible Petroleum Refinery

4. A second oilfield (Fu-yu Oilfield, [REDACTED]) located along the route of the new pipeline 78 nm south of Sa-erh-tu, will be connected to the system. A rail-served tank storage area, similar in construction to those at Sa-erh-tu, was observed along the pipeline route west of Fu-yu Oilfield. Fu-yu Possible Petroleum Refinery [REDACTED], 8 nm south of Fu-yu Oilfield, was also connected to the pipeline (Figure 1).

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## Pan-shan Oilfield and Possible Petroleum Refinery

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5. Pan-shan Oilfield [REDACTED], located near the coast of the Gulf of Liao-tung approximately 68 nm southwest of Shen-yang, was newly identified on photography of [REDACTED] (Figure 4). It covers an area of approximately 90 square nautical miles (sq nm); however, only approximately 18 sq nm appeared to be intensively developed. Twenty-one derricks, several tent camps, small housing areas, and small gathering stations were observed. A new rail line has been constructed through the oilfield and a three-track transloading yard was under construction near the center of the field.

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6. The oilfield will be served by a 35-nm pipeline which was observed under construction. The pipeline runs generally east-northeast from the oilfield to a rail-served POL storage area within the An-shan Iron and Steel Plant Complex [REDACTED]

7. A rail-served tank farm and possible small petroleum refinery (Pan-shan Possible Petroleum Refinery, [REDACTED]) were under construction at the northwest edge of the oilfield 2 nm southwest of Pan-shan. Four possible processing towers have been raised near the center of the installation. Ten support buildings (two of which were complete), nine completed vertical storage tanks, and bases for seven additional tanks were also observed.

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FIGURE 2. POL STORAGE FACILITY AND NEW PIPELINE NEAR FU-SHAN SHALE OIL PLANT EAST, CHINA

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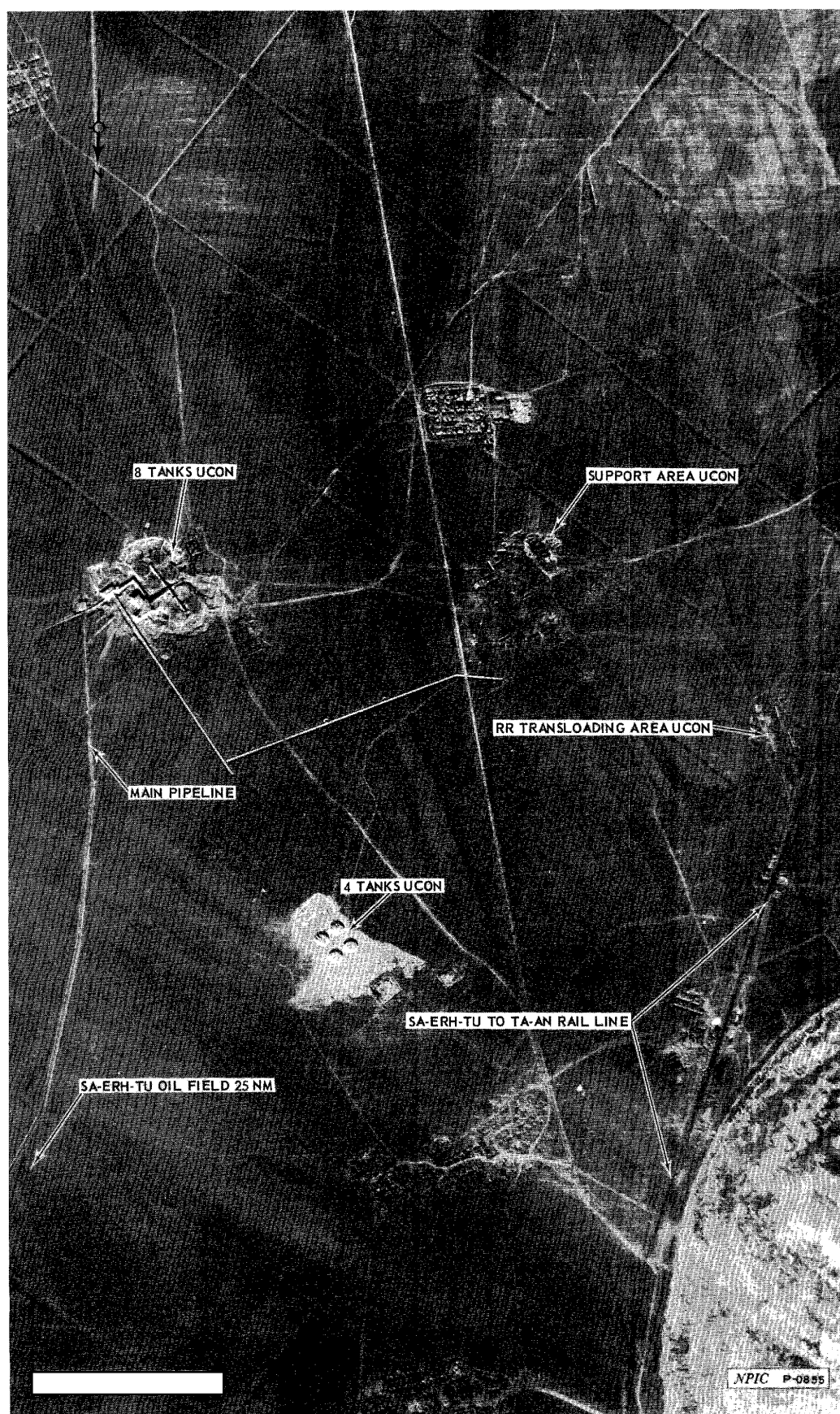


FIGURE 3. ONE OF FIVE POL STORAGE SITES UNDER CONSTRUCTION, SA-ERH-TU AREA, CHINA

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FIGURE 4. PORTION OF PAN-SHAN OILFIELD, CHINA



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